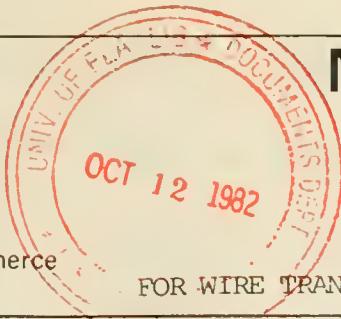




U.S. Department of Commerce
BUREAU OF THE CENSUS

CURRENT INDUSTRIAL REPORTS

Manufacturers' Shipments, Inventories, and Orders



JULY 1982

M3-1(82)-7
FOR WIRE TRANSMISSION 3:30 P.M. EDT, TUESDAY, AUGUST 31, 1982

(All figures in text below are in seasonally adjusted current dollars.)

New orders for manufactured goods in July increased \$3.1 billion or 2.0 percent from June to \$160.2 billion. Although this is the largest monthly increase since December 1980, the value of new orders was 7 percent below the July 1981 peak of \$172.1 billion. Shipments of manufactured goods increased \$1.0 billion or 0.6 percent in July to \$162.5 billion, following increases in May and June of 3.0 percent and 0.4 percent, respectively.

The backlog of manufacturers' orders was valued at \$303.7 billion at the end of July, down \$2.4 billion or 0.8 percent from June. This is the 12th consecutive monthly decline in backlog, 7.7 percent below the peak in July 1981 of \$328.9 billion. The book value of manufacturers' inventories at the end of July was \$275.2 billion, showing little change from June. Prior to this, inventories had declined 6 of the last 7 months.

New orders for the durable goods sector were up \$3.0 billion or 4.0 percent in July to \$77.5 billion, revised upward from the earlier reported 3.2 percent increase. Most of the major industries contributed to the July increase. New orders for transportation equipment were up \$1.2 billion or 7.5 percent to \$17.6 billion, with increases in both the aircraft and motor vehicle industries. New orders for electrical machinery increased \$0.7 billion or 6.0 percent to \$12.4 billion, while orders for nonelectrical machinery increased \$0.4 billion or 3.1 percent to \$13.4 billion. New orders for primary metals increased \$0.1 billion or 1.4 percent to \$8.7 billion. Following a steady decline in this series from July 1981 to March 1982, orders for primary metals have now increased 4 consecutive months. The steel industry accounted for this month's increase.

New orders for nondefense capital goods increased \$1.5 billion or 7.7 percent to \$20.8 billion, following declines in May of 10.1 percent and June of 5.2 percent. New orders for defense capital goods were down \$0.8 billion or 14.8 percent to \$4.6 billion, following a 13.9 percent increase last month.

Shipments of durable goods in July increased \$0.8 billion or 1.1 percent to \$79.7 billion. The largest increases were in the electrical machinery and transportation equipment categories. Electrical machinery shipments were up \$0.5 billion or 3.9

percent to \$12.1 billion with most of the increase occurring in the communication equipment industry. Shipments of transportation equipment were up \$0.4 billion or 2.4 percent to \$18.0 billion. An increase in the motor vehicle and parts category of \$0.6 billion or 6.1 percent to \$11.1 billion was partially offset by a decline in the aircraft and parts category of \$0.3 billion or 5.7 percent to \$5.4 billion.

Shipments of nondurable goods in July increased \$0.2 billion or 0.2 percent to \$82.8 billion. Shipments by the tobacco products industry have shown unusual fluctuation the last 2 months with a July decline of 24 percent following a June increase of 20 percent. Excluding the tobacco category, shipments of nondurable goods increased 0.6 percent with the largest increases occurring in the foods, apparel, and paper products industries.

The decline in the backlog of orders of durable goods manufacturers of \$2.2 billion or 0.7 percent to \$294.7 billion reflected declines in several major industries. The largest decline was in the nonelectrical machinery category which was down \$1.7 billion or 2.6 percent to \$61.8 billion. Unfilled orders for transportation equipment and fabricated metal products were each down \$0.4 billion.

The book value of inventories of durable goods manufacturers declined \$0.5 billion or 0.3 percent to \$183.3 billion, offsetting a \$0.5 billion or 0.6 percent increase to \$91.4 billion in inventories of nondurable goods manufacturers. For durable goods manufacturers, inventories have declined 7 of the last 8 months from a high of \$190.2 billion last November. For nondurable goods manufacturers, prior to this month's increase, inventories had also been declining since November, except for a 0.5 percent increase in February.

The figures on the durable goods industries in this report supersede those issued earlier in the advance report on durable goods. The present report is based on more complete reporting, but the estimates are also considered preliminary. Final figures will appear as historical data in the report to be published for next month. The advance report on durable goods for August is scheduled for release on September 22, 1982, and full report is scheduled for release on October 1, 1982.

The method of seasonally adjusting shipments data for the motor vehicle assembly industry for July through September has been changed this year and is now consistent with the traditional X-11 approach followed for other industry categories in the survey. Previously, an estimated seasonally-adjusted monthly average for the third quarter was used in each of the 3 months to compensate for the erratic monthly movements which occurred during this model changeover period. The change in procedure was made because the seasonal pattern in the data has become somewhat more stable, and the data series subject to smaller historical revisions.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Ruth Runyan or Kathleen Swindell-Menth, (301) 763-2502.

For sale by Customer Services (DUSD) Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, 30 cents per copy, \$3.60 per year.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted												Not seasonally adjusted ¹					
		Monthly				Quarterly				Last 4 months				Monthly			Last 4 months a year ago		
		July 1982 ^p	June 1982 ^r	May 1982 ^r	Apr. 1982	II 1982 ^r	1982	IV 1981	1981	July 1982 ^p	1982 ^r	June 1982	May 1982	July 1981	June 1981	May 1981	Apr. 1981	1982	1981
	TOTALS																		
	All manufacturing industries.....	162,528	161,519	160,828	156,114	478,461	470,682	482,013	148,569	169,159	161,241	158,058	155,918	179,317	169,157	170,185	1,107,909	1,169,225	
	Manufacturing Industries excluding transportation and unfilled orders.....	144,542	143,546	143,514	140,168	427,628	425,878	437,197	133,656	150,176	143,537	141,169	141,118	159,295	150,640	151,597	993,493	1,047,826	
	Manufacturing Industries with unfilled orders.....	83,399	82,879	83,596	81,716	248,191	249,216	256,299	75,188	87,481	83,896	82,755	80,543	94,621	88,865	89,110	577,791	610,121	
	Durable goods industries.....	79,725	78,888	79,518	77,136	235,542	231,650	240,678	70,971	84,307	80,485	79,101	76,657	92,971	86,822	87,273	546,074	590,456	
	Durable goods with unfilled orders.....	66,175	65,889	66,611	64,889	197,389	197,238	206,233	59,219	70,133	66,981	65,883	64,294	76,989	71,805	71,947	459,089	492,053	
	Nondurable goods industries.....	82,803	82,631	81,310	78,978	242,919	239,032	244,336	77,598	84,852	81,056	78,957	79,261	86,345	82,335	82,911	561,732	578,768	
	Nondurable goods with unfilled orders.....	17,224	16,990	16,985	16,827	50,802	51,978	52,066	15,969	17,348	16,915	16,873	16,248	17,632	17,060	17,163	118,700	118,066	
	MARKET CATEGORIES																		
	Home goods and apparel.....	11,192	10,858	10,803	10,708	32,369	32,851	32,765	10,086	11,184	10,272	10,306	10,804	12,187	10,930	11,078	73,748	77,673	
	Consumer staples.....	31,058	31,463	30,310	29,578	90,931	88,745	88,018	29,170	31,831	29,784	29,073	27,858	30,362	28,23	28,889	207,053	201,403	
	Equipment and defense products, except automotive.....	24,343	24,451	25,056	23,997	73,504	75,374	78,480	22,187	26,431	25,126	24,125	22,898	28,048	25,432	25,512	172,695	175,526	
	Automotive equipment.....	12,573	11,974	11,661	11,002	34,637	28,938	30,279	9,962	12,992	11,967	9,974	13,813	13,089	12,914	12,914	76,557	82,826	
	Construction materials, supplies, and intermediate products.....	12,250	11,720	12,058	11,446	35,224	34,537	35,299	12,015	12,739	12,392	11,799	12,696	14,226	13,517	13,781	91,177		
	Other materials, supplies, and intermediate products.....	71,112	71,473	70,940	69,383	211,796	210,238	222,172	65,149	73,982	71,678	70,788	71,688	80,681	77,966	78,011	496,261	541,005	
	SUPPLEMENTARY SERVICES ²																		
	Household durable goods industries.....	5,178	4,904	4,808	4,897	14,609	14,581	14,739	4,453	5,017	4,668	4,772	4,565	5,486	4,972	5,147	33,074	34,453	
	Capital goods industries.....	27,421	27,727	28,140	26,869	82,736	84,033	87,865	24,877	29,745	28,035	26,857	25,976	31,309	28,403	28,360	193,152	196,861	
	Nondefense.....	22,649	22,906	23,471	22,599	68,976	75,378	71,169	20,472	24,680	23,296	22,604	22,313	27,255	24,598	24,600	142,268	170,820	
	Defense.....	4,772	4,821	4,669	4,271	13,761	12,865	12,487	4,405	5,065	4,739	4,252	3,664	4,054	3,806	3,760	31,080	26,040	
	INDUSTRY GROUPS AND INDUSTRIES																		
	Durable goods industries:																		
32	Stone, clay, and glass products...	3,834	3,863	3,728	3,725	11,499	11,526	11,756	4,166	5,155	5,155	5,155	5,155	4,597	4,287	4,372	26,295	29,089	
	Glass containers...	442	465	462	4394	1,120	1,338	4,30	505	467	460	466	521	453	462	3,160	3,158		
	Primary metals...	8,512	8,958	8,904	3,989	26,233	28,429	30,979	7,543	8,981	8,951	9,507	10,726	12,529	12,173	12,338	64,402	83,664	
	Blast furnaces, steel mills...	3,714	3,904	4,156	4,156	12,049	14,075	15,677	3,317	4,120	3,974	4,440	5,597	6,456	6,209	6,280	30,550	42,342	
333-9	Nonferrous and other primary metals...	3,921	3,772	3,894	3,952	11,618	11,677	12,627	3,490	3,946	4,034	4,165	4,242	4,794	4,901	4,901	27,662	33,577	
	Fabricated metal products....	10,034	9,890	10,096	9,750	29,736	28,553	28,767	9,190	10,531	10,244	9,978	9,659	11,400	10,814	10,812	68,147	73,610	
341	Metal cans, barrels, and drums...	865	875	915	2,742	2,842	2,720	944	1,058	912	901	1,038	1,033	970	928	6,474	6,692		
35	Machinery, except electrical...	15,072	15,488	15,899	15,432	46,819	49,096	51,717	13,795	16,815	15,602	15,376	18,596	16,720	17,036	111,771	117,770		
351	Engines and turbines...	1,133	1,152	1,209	1,296	3,657	3,769	4,202	975	1,276	1,287	1,262	1,469	1,338	1,327	8,77	9,431		
352	Farm machinery and equipment...	977	986	1,108	1,009	3,103	3,170	3,852	824	1,092	1,162	1,149	1,155	1,585	1,452	1,619	7,610	10,088	
353	Construction, mining, and material-handling equipment...	2,787	2,979	2,815	2,788	8,582	9,169	10,025	2,678	3,090	2,871	2,938	3,021	3,281	3,199	3,214	20,917	21,913	
354	Metalworking machinery...	862	861	894	2,617	2,925	2,830	2,750	951	856	1,110	967	1,014	6,409	7,065	6,409			
356	General industrial machinery.	1,274	1,244	1,194	1,305	3,743	4,204	4,415	1,160	1,298	1,331	1,275	1,275	1,539	1,511	1,430	9,212	9,869	

See footnotes at end of table.

Table 1. VALUE OF MANUFACTURERS' SHIPMENTS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

SIC	Industry	Seasonally adjusted												No 1 seasonally adjusted ¹						Year-to-date		
		Monthly			Quarterly			Last 4 months			Last 4 months a year ago			Monthly			Last 4 months					
		July 1982 ^p	June 1982 ^r	May 1982 ^r	Apr. 1982	II 1982 ^r	I 1982	IV 1981	July 1982 ^p	June 1982 ^r	May 1982	April 1982	July 1981	June 1981	May 1981	April 1981	July 1982	June 1982	May 1981	April 1981		
INDUSTRY GROUPS AND INDUSTRIES--Continued																						
Durable goods and industries--Continued																						
361,2	Electrical machinery.....	12,089	11,639	11,912	11,677	35,228	34,170	34,285	10,639	12,354	11,716	11,622	10,463	12,452	11,493	11,377	80,521	79,169				
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	1,735	1,715	1,770	1,033	5,222	5,307	5,509	1,507	1,848	1,810	1,746	1,645	2,049	1,896	1,860	12,337	12,911				
363	Household appliances.....	1,045	1,035	1,037	1,033	3,105	3,016	3,087	1,008	1,128	1,022	1,029	1,022	1,029	1,029	1,138	1,167	7,145	8,092			
365	Radio and TV.....	741	697	723	675	2,095	2,028	1,964	596	769	609	574	869	647	648	4,439	4,828					
366	Communication equipments.....	4,006	3,713	3,806	3,833	11,352	10,995	10,809	3,508	4,014	3,866	3,914	3,760	3,456	3,411	2,625	23,429					
367	Transportation equipment.....	2,339	2,484	2,513	2,468	7,465	7,167	7,192	2,880	2,556	2,488	2,533	2,182	2,336	2,449	2,429	17,014	16,524				
371	Motor vehicles and parts.....	17,986	17,573	17,316	17,316	44,804	47,817	47,913	18,983	18,004	16,832	18,801	20,022	18,717	18,588	11,312	121,394					
372,6	Aircraft, missiles, and parts.....	11,051	10,420	10,109	9,509	30,038	24,427	25,634	8,516	11,361	10,682	10,297	11,942	11,235	10,949	66,261	70,594					
373,1	Shipbuilding and military tank vehicles.....	5,355	5,681	4,912	4,912	16,183	15,246	16,970	4,942	6,078	5,640	4,991	4,844	6,035	5,486	5,602	36,728	37,363				
379,5	Instruments and related products.....	987	929	996	900	2,823	2,839	2,837	951	968	1,047	882	948	1,047	1,047	1,012	974	6,563	6,676			
38	Scientific and engineering.....	3,977	4,007	3,988	3,825	11,820	11,628	11,893	3,583	4,285	3,936	3,758	3,613	4,291	3,971	3,842	26,843	27,225				
381-4	Photographic goods.....	2,383	2,314	2,336	2,218	6,868	6,972	7,291	2,106	2,492	2,225	2,126	2,325	2,283	16,123	16,217						
386	All other durable goods industries.....	1,362	1,453	1,453	1,408	1,379	4,240	3,974	3,877	1,271	1,565	1,382	1,310	1,251	1,445	1,380	1,293	9,237	9,201			
24		8,242	7,859	7,764	7,826	23,449	23,472	23,695	7,552	8,192	7,901	7,943	7,864	9,085	8,647	8,909	53,965	58,151				
25																						
39																						
Nondurable goods industries:																						
20	Food and kindred products.....	23,484	23,315	23,018	22,302	68,635	67,182	65,256	21,857	23,812	22,721	21,813	21,301	23,402	21,973	22,493	156,735	156,270				
201	Meat products.....	6,310	6,296	5,961	5,693	17,285	17,428	17,969	6,285	6,321	5,804	5,815	5,977	5,800	5,800	5,649	41,558	40,215				
208	Beverages, oils, etc.....	3,066	3,002	3,112	3,201	9,315	9,222	8,287	3,210	3,437	3,236	3,155	3,261	2,929	2,885	21,407	19,514					
207	Fats and oils.....	1,440	1,406	1,416	4,312	4,405	4,562	1,335	1,430	1,341	1,399	1,448	1,444	1,479	1,606	9,983	11,051					
207	All other foods.....	9,135	9,416	8,951	8,577	26,979	25,770	26,663	9,309	8,567	8,567	8,567	8,567	9,097	6,658	6,658	63,778					
21	Tobacco products.....	1,021	1,351	1,128	1,157	3,636	3,378	3,319	1,024	1,388	1,140	1,153	1,132	1,096	9,096	7,916	7,286					
22	Textile mill products.....	4,168	4,217	4,058	4,058	12,422	12,309	12,552	3,487	4,567	4,209	4,070	3,856	4,533	4,342	28,623	30,340					
22	Paper and allied products.....	6,801	6,425	6,463	6,463	19,234	20,007	6,196	6,447	6,538	6,259	6,477	6,477	6,477	6,693	6,734	46,021	46,502				
261-3	Pulp, paper, etc.....	2,680	2,677	2,619	2,692	7,988	8,499	8,580	2,520	2,710	2,765	2,765	2,765	2,765	2,958	2,906	19,358	20,014				
265	Paperboard containers.....	1,558	1,528	1,460	1,465	4,453	4,539	4,651	1,442	1,477	1,505	1,505	1,509	1,665	1,589	1,595	10,988	10,988				
264	All other paper products.....	2,363	2,267	2,200	2,306	6,793	6,776	6,776	2,234	2,365	2,269	2,269	2,060	2,256	2,146	2,233	16,089	15,500				
28	Chemicals and allied products.....	14,523	14,595	14,136	13,751	42,482	41,658	42,724	13,799	15,360	14,542	13,635	15,667	15,114	15,114	15,339	100,633	106,863				
281,6	Industrial chemicals, except pigments.....	4,568	4,626	4,538	4,425	13,801	14,724	14,703	4,825	4,652	4,734	4,847	5,458	5,266	5,413	32,886	36,678					
283,4	Drugs, soap, and toiletries.....	4,316	4,276	3,546	3,923	12,153	11,151	11,007	3,945	4,472	3,660	3,767	3,351	3,877	3,353	27,076	25,118					
29	Petroleum and coal products.....	17,536	17,382	16,494	15,468	48,733	54,560	17,190	17,770	17,287	16,194	17,287	16,194	18,327	17,757	17,816	129,016					
30	Rubber and plastics products, n.o.s.....	3,853	3,762	3,569	3,500	10,831	10,580	11,258	3,511	3,898	3,592	3,648	3,714	4,217	3,903	4,123	25,299	27,438				
23	All other nondurable goods industries.....	11,617	11,374	11,583	11,252	34,209	35,278	34,758	11,134	11,350	11,031	10,998	11,419	11,530	10,794	11,074	78,675	77,039				

Preliminary.

¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

Household durable goods industries--are groupings of the separate industry categories as follows: Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories. Nondefense products--Dachinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and ophthalmic goods, watches, and clocks; and miscellaneous personal goods). Defense products--Large defense contractors in the following industries: ordnance, communication equipment, aircraft and railroad equipment, aircraft and aircraft parts, and shipbuilding.

Defense products--Based on separate reports on defense contractors for large defense contractors in the following industries: ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

(Millions of dollars)

SIC		Industry		Seasonally adjusted												Not seasonally adjusted			
				Monthly						Quarterly						Monthly			
		July 1982 ^p	June 1982 ^r	May 1982 ^r	April 1982	II 1982 ^r	I 1982	IV 1981	III 1982	II 1982	I 1982	IV 1981	III 1982	II 1982	IV 1981	III 1982	II 1982	IV 1981	
		TOTALS																	
		All manufacturing industries.....	157,058	156,791	154,995	468,844	467,702	475,678	144,844	162,730	155,250	156,759	156,351	177,036	169,114	171,937	1,093,508	1,177,792	
		Manufacturing industries excluding transportation.....	140,711	140,780	138,401	419,892	418,077	430,943	131,098	145,711	139,445	139,386	140,981	158,912	150,728	152,996	978,911	1,056,061	
		Manufacturing industries with unfilled orders.....	81,042	78,418	79,559	80,601	238,578	246,236	246,964	71,463	81,052	77,605	81,485	80,975	92,341	88,821	90,862	563,490	618,687
		Durable goods industries.....	77,538	74,550	75,710	76,194	226,454	229,229	232,206	67,426	78,199	74,504	77,867	77,204	90,888	86,609	88,737	532,781	598,322
		Durable goods with unfilled orders.....	63,988	61,551	62,803	63,948	188,302	194,817	195,761	55,674	64,025	61,000	64,667	64,841	74,906	71,591	73,410	445,795	499,921
		Nondurable goods industries.....	82,633	82,508	81,081	78,803	242,392	238,473	243,472	77,418	84,531	80,746	78,892	79,147	86,148	82,505	83,201	560,724	579,467
		Industries with unfilled orders.....	17,054	16,867	16,756	16,653	50,276	51,419	51,203	15,789	17,027	16,605	16,808	16,134	17,435	17,230	17,452	117,692	118,764
		Industries without unfilled orders.....	65,579	65,641	64,325	62,151	192,117	187,054	192,269	61,629	67,504	64,141	62,084	63,013	68,713	65,275	65,749	443,031	460,698
		MARKET CATEGORIES																	
		Home goods and apparel.....	11,039	10,964	11,040	10,067	32,639	32,986	32,201	10,007	11,391	10,478	9,891	10,923	12,472	10,876	11,388	74,155	78,947
		Consumer staples.....	31,023	31,070	30,340	29,477	90,887	88,796	86,029	29,199	31,853	29,161	28,952	27,947	30,391	28,183	28,902	207,080	201,161
		Equipment and defense products, except automotive.....	22,907	23,179	22,074	25,890	71,143	78,097	75,257	19,891	23,917	21,137	25,530	23,358	26,573	24,762	26,117	170,592	179,087
		Automotive equipment.....	12,766	11,398	10,625	13,910	28,494	29,869	29,869	10,207	12,789	11,935	11,500	10,126	13,621	13,110	12,817	75,831	83,122
		Construction materials, supplies, and intermediate products, and other materials, supplies, and intermediate products.....	12,152	11,384	11,592	11,003	33,979	33,970	34,754	11,816	12,319	12,116	11,388	12,829	14,378	14,031	13,565	79,655	92,008
		Intermediate products.....	70,284	68,574	70,347	67,937	206,858	205,360	217,568	70,461	69,833	69,496	71,169	79,601	78,151	79,149	88,182	543,448	
		SUPPLEMENTARY SERIES ²																	
		Household durable goods industries.....	5,028	5,004	5,022	4,254	14,280	14,800	14,185	4,383	5,218	4,856	4,325	4,653	5,782	4,902	5,429	33,504	36,162
		Capital goods industries.....	25,403	24,715	25,107	28,782	78,604	86,302	83,783	21,339	25,634	24,488	24,148	29,040	28,823	23,404	29,662	188,462	201,387
		Nondefense.....	4,632	4,775	20,771	20,332	22,608	65,450	69,027	18,501	20,980	19,227	22,507	22,175	25,823	23,404	25,662	149,537	171,937
		Defense.....															30,026	38,921	
		INDUSTRY GROUPS AND INDUSTRIES																	
		Durable goods industries:																	
		Stone, clay, and glass.....	3,794	3,797	3,642	11,311	11,093	11,612	3,761	4,085	3,937	3,755	4,169	4,407	4,303	4,365	25,946	29,157	
		Primary metals.....	8,741	8,617	8,453	8,137	25,207	25,000	28,454	7,260	8,290	8,160	8,424	10,462	11,514	12,457	12,782	83,540	
		Blast furnaces, steel mills.....	4,025	3,789	3,928	3,583	11,300	11,642	14,040	3,207	3,499	3,584	3,584	5,870	6,743	7,374	7,374	43,203	
		Nonferrous and other primary metal products.....	3,867	3,939	3,741	3,828	11,073	11,508	11,073	3,805	3,926	3,768	3,884	4,499	4,499	4,844	6,75	33,228	
		Fabricated metal products.....	9,613	9,389	9,405	8,989	27,783	27,648	27,636	8,825	9,563	9,155	10,084	11,445	11,193	10,517	65,225	74,436	
		Machinery, except electrical.....	13,417	13,015	14,408	15,262	42,685	44,063	49,838	12,220	16,478	13,781	15,391	16,478	18,653	17,625	17,625	101,841	119,309
		Engines and turbines.....	806	952	1,338	995	3,285	3,397	3,430	630	965	1,791	1,931	1,067	1,346	1,168	1,357	7,448	9,037
		Construction, mining, and material-handling equipment.....	2,479	2,528	2,258	1,857	6,643	7,651	9,420	2,551	2,134	2,087	2,139	3,343	3,707	3,813	3,813	24,473	
		Metalworking machinery.....	710	740	649	623	2,012	1,993	1,958	608	819	619	601	644	887	4,784	4,784	6,022	
		General industrial machinery.....	1,118	1,024	1,271	1,174	4,775	4,389	4,389	1,228	1,078	1,078	1,078	1,055	1,483	1,570	1,570	10,528	

See footnotes at end of table.

Table 2. VALUE OF MANUFACTURERS' NEW ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

SIC	Industry	Seasonally adjusted												Not seasonally adjusted					
		Monthly				Quarterly				Last 4 months				Last 4 months a year ago				Year-to-date	
		July 1982 ^b	June 1982 ^b	May 1982 ^b	April 1982	II 1982 ^r	I 1982	IV 1981	July 1982 ^b	1982 ^b	June 1982 ^r	May 1982 ^r	April 1982	July 1981	June 1981	May 1981	April 1981	1982	1981
INDUSTRY GROUPS AND INDUSTRIES--Continued																			
36	Durable goods industries--Continued	12,409	11,705	11,888	12,508	36,101	36,015	34,196	10,668	12,106	11,532	12,471	10,542	13,106	11,767	11,819	84,068	82,899	
361,2	Electrical machinery.....	1,396	1,396	1,738	1,490	4,624	5,044	5,308	1,421	1,470	1,739	1,630	1,672	1,970	2,024	1,895	11,645	13,573	
	Electrical transmission and distribution equipment and industrial apparatus.....	1,693	1,656	1,067	1,050	1,029	3,086	3,036	1,026	1,112	1,035	1,026	1,099	1,324	1,177	8,194	7,701	4,509	
363	Household appliances.....	697	653	918	590	2,161	2,039	1,787	566	769	467	537	1,150	516	548	4,796	29,901	25,608	
365	Radio and TV.....	4,396	4,568	3,352	5,012	12,932	12,988	10,883	3,685	4,369	4,789	3,293	4,029	3,633	3,577	2,748	17,482	17,199	
366	Communication equipment.....	2,563	2,110	2,803	2,415	7,328	7,296	2,234	2,320	2,617	2,688	2,156	2,350	2,493	2,530	18,386	18,942	121,725	
367	Electronic components.....	17,381	16,447	16,011	16,595	48,953	49,625	44,735	13,746	17,019	15,805	17,370	18,125	17,371	17,371	17,371	17,371	17,371	
377,6	Aircraft, missiles, and parts.....	5,159	4,560	4,854	5,779	15,193	20,522	15,123	4,361	4,812	4,426	5,624	5,411	4,955	5,566	5,198	39,447	37,759	
372,1	Shipbuilding and military tank vehicles.....	627	877	711	1,092	2,680	2,894	2,293	157	469	439	1,238	820	545	705	1,896	5,379	7,156	
379,3	Instruments and related products.....	4,005	3,767	3,896	3,920	11,583	11,801	11,970	3,580	4,162	3,770	3,826	3,729	4,421	3,988	3,754	27,030	27,508	
38	All other durable goods	7,978	7,918	7,772	7,141	22,831	23,983	23,565	7,366	8,104	7,956	7,672	9,017	8,706	9,258	54,281	59,721		
39	Industries.....																		

^bPreliminary.^rRevised.
¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.²The supplementary series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance; Communication equipment, aircraft and aircraft parts, and shipbuilding.

The data are comparable to those published annually in the MA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 3. VALUE OF MANUFACTURERS' UNFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

Last 4 months a year ago

6

SIC	Industry	Seasonally adjusted ¹												Not seasonally adjusted ¹											
		Monthly				Quarterly				Last 4 months				Monthly		Last 4 months a year ago									
		July 1982p	June 1982r	May 1982r	April 1982	1 1982	IV 1981	III 1981	II 1981	1 1981	1 1981	July 1982p	June 1982r	May 1982r	April 1982	July 1981	June 1981	May 1981	April 1981	July 1981	June 1981	May 1981	April 1981		
TOTALS																									
All manufacturing industries.....	306,032	310,482	314,521	315,639	318,621	327,955	327,105	323,054	302,077	305,804	312,234	318,518	327,339	326,527	329,207	329,250									
Manufacturing industries excluding transportation.....	187,422	189,380	192,606	195,342	197,110	204,912	211,164	211,677	207,473	187,569	190,129	196,584	198,679	212,274	212,794	212,506									
Durable goods industries.....	294,677	296,866	301,194	305,947	308,370	316,841	315,618	312,018	293,105	296,652	302,762	308,736	315,995	315,449	317,532	317,745									
Nondurable goods industries.....	8,995	9,166	9,288	9,518	9,692	10,251	11,114	11,487	11,036	8,972	9,152	9,432	9,782	11,364	11,478	11,675	11,505								
MARKET CATEGORIES																									
Home goods and apparel.....	3,899	4,087	4,198	4,301	4,391	4,429	4,424	4,424	4,424	4,423	4,450	4,470	4,498	4,520	4,520	4,520	4,520	4,520	4,520	4,520	4,520	4,520	4,520		
Consumer staples.....	185,673	186,916	188,274	191,519	190,002	187,724	191,356	189,974	188,940	184,241	186,293	189,012	190,015	189,403	191,070	191,719									
Equipment and defense products.....	185,673	186,916	188,274	191,519	190,002	187,724	191,356	189,974	188,940	184,241	186,293	189,012	190,015	189,403	191,070	191,719									
except automotive.....																									
Automotive equipment.....	15,170	15,506	15,972	16,416	16,982	17,527	17,674	17,674	17,388	15,211	15,410	15,829	16,106	18,078	17,945	17,782	17,278								
Construction materials, supplies, and intermediate products.....	15,071	15,271	15,751	16,346	16,761	17,276	17,634	17,634	17,276	16,634	17,156	18,475	19,903	19,903	19,903	19,903	19,903	19,903	19,903	19,903	19,903	19,903	19,903		
Other materials, supplies, and intermediate products.....	99,029	99,859	102,751	103,346	104,793	109,671	114,276	114,276	114,276	114,276	114,634	112,156	112,156	112,156	112,156	112,156	112,156	112,156	112,156	112,156	112,156	112,156	112,156		
SUPPLEMENTARY SERIES²																									
Household durable goods industries.....	2,810	2,961	2,858	2,663	3,288	3,069	3,623	3,704	3,704	3,531	3,049	3,119	2,919	2,727	4,003	3,915	3,617	3,617	3,617	3,617	3,617	3,617	3,617		
Capital goods industries.....	216,742	218,756	221,666	224,799	222,888	220,621	224,701	222,627	222,627	220,549	215,178	218,117	222,209	226,560	222,162	221,990	223,409	223,798	223,798	223,798	223,798	223,798	223,798	223,798	
Rubber, plastic, and allied industries.....	132,351	134,226	137,852	140,982	146,701	153,052	154,870	155,072	153,052	154,870	155,072	132,500	136,473	138,174	142,240	154,761	154,899	156,331	157,524	157,524	157,524	157,524	157,524	157,524	157,524
Defense.....	84,391	84,530	83,914	83,808	81,905	73,919	71,650	67,758	67,758	65,468	82,678	83,644	84,035	84,321	67,400	67,400	67,400	67,400	67,400	67,400	67,400	67,400	67,400	67,400	
INDUSTRY GROUPS AND INDUSTRIES																									
Durable goods industries:																									
Stone, clay, and glass.....	1,701	1,720	1,742	1,762	1,749	1,835	2,241	2,155	2,155	2,296	2,286	1,764	1,759	1,839	1,825	1,825	2,351	2,351	2,351	2,351	2,351	2,351	2,351	2,351	
Primary metals.....	22,396	22,168	22,147	22,378	23,195	26,623	29,148	29,533	28,933	21,887	22,170	22,170	22,170	22,170	22,170	23,554	23,554	23,554	23,554	23,554	23,554	23,554	23,554		
Wind turbines, steel mills, and nonferrous and other primary metal products.....	13,241	12,930	13,129	13,106	13,679	16,113	17,751	17,693	17,693	16,984	12,936	13,046	14,058	17,576	17,576	17,576	17,576	17,576	17,576	17,576	17,576	17,576	17,576	17,576	
Fabricated metal products.....	6,532	6,586	6,419	6,572	6,697	7,302	8,078	8,526	8,533	8,533	6,375	6,560	6,579	6,846	8,427	8,427	8,427	8,427	8,427	8,427	8,427	8,427	8,427	8,427	
Machinery, except electrical.....	61,808	63,462	65,934	67,593	72,627	74,505	75,021	74,018	74,018	70,170	30,598	30,275	26,054	26,419	27,065	27,453	31,054	31,054	31,054	31,054	31,054	31,054	31,054	31,054	
Engines and turbines.....	15,342	15,668	15,867	15,739	16,039	16,411	17,183	17,771	17,771	17,771	17,771	17,771	17,771	15,516	15,516	15,516	15,516	15,516	15,516	15,516	15,516	15,516	15,516	15,516	15,516
Construction, mining, and mineral-handling equipment.....	353																								
Metalworking machinery.....	354	3,179	7,813	7,362	8,370	9,301	10,819	11,424	10,936	9,694	7,039	7,923	8,707	11,311	10,563	10,563	10,563	10,563	10,563	10,563	10,563	10,563	10,563	10,563	10,563
General industrial machinery.....	356	5,852	6,077	6,221	6,260	6,480	6,790	6,816	6,816	6,816	6,816	6,413	5,881	6,013	6,013	6,013	6,013	6,013	6,013	6,013	6,013	6,013	6,013	6,013	6,013

See footnotes at end of table.

Table 3. VALUE OF MANUFACTURERS' UNFULFILLED ORDERS FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

(Millions of dollars)

SIC	Industry group	Seasonally adjusted												Not seasonally adjusted ¹							
		Monthly			Quarterly			Last 4 months			Monthly			Last 4 months			Last 4 months a year ago				
		July 1982 ^p	June 1982 ^r	May 1982 ^r	April 1982	I 1982	IV 1981	III 1981	II 1981	I 1981	July 1982 ^p	June 1982 ^r	May 1982 ^r	April 1982	July 1981	June 1981	May 1981	April 1981	July 1981	June 1981	May 1981
INDUSTRY GROUP AND INDUSTRIES--																					
Continued																					
Durable goods industries--																					
Electrical machinery.....		54,975	54,655	54,588	54,613	53,784	51,939	52,028	50,778	49,101	54,777	54,750	54,999	55,180	50,990	50,911	50,257	49,983			
Electrical transmission and distribution equipment and industrial apparatus.....																					
Household appliance.....		7,802	7,844	8,163	8,202	8,442	8,705	8,906	8,849	8,800	7,817	7,904	8,282	8,352	8,940	8,913	8,992	8,864			
Radio and TV.....		315	304	312	319	323	333	333	343	345	327	343	329	327	460	449	449	449			
Communication equipment.....		381	476	469	274	359	349	526	414	418	401	431	369	365	419	338	269	269			
Electronic components.....		33,659	33,288	32,413	32,868	31,690	29,697	29,423	28,239	27,019	33,227	33,050	32,715	33,096	28,170	28,059	27,790	27,613			
Transportation equipment.....		116,652	116,250	117,876	11,088	11,798	11,852	11,739	11,635	11,677	11,296	11,850	11,937	12,173	12,043	11,861	11,730	11,649			
Aircraft, missiles, and parts.....		91,300	91,494	92,613	93,349	92,483	87,207	89,054	87,525	88,151	90,408	91,008	92,275	93,490	87,679	87,112	88,192	88,112			
Shipbuilding and military tank vehicles.....		19,002	19,361	19,413	19,695	19,503	19,449	19,993	19,732	19,110	18,282	19,056	19,555	20,162	19,336	19,494	19,996	20,303			
Instruments and related products.....		7,155	7,128	7,367	7,458	7,362	7,189	7,112	7,034	6,984	7,198	7,202	7,345	7,511	7,236	7,110	6,980	6,963			
All other durable goods industries.....		4,432	4,697	4,637	4,629	5,313	4,801	4,931	4,839	4,660	4,846	4,843	4,786	5,230	5,119	5,187	5,128	5,128			

Preliminary.

¹Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are of the end of the period and are not adjusted for trading-day or calendar-month variations.

²The supplementary series are regroupings of the separate industry categories as follows: Household durable goods industries--household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks; and miscellaneous personal goods.

Capital goods industries--comparable to the previous producers' capital goods and the defense products (old series) categories.

Nondesign products--machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), the nondesign portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the M-175. Shipments to Federal Government Agencies (formerly "Shipments of Defense-oriented Industries") for the specified industries.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES

(Millions of dollars)

SIC	Industry	Seasonally adjusted												Not seasonally adjusted ¹					
		Monthly				Quarterly				Last 4 months				Monthly					
		July 1982 ^b	June 1982 ^c	May 1982	Apr. 1982	I 1982	IV 1981	III 1981	II 1981	July 1982 ^b	June 1982 ^c	May 1982	April 1982	July 1981	June 1981	May 1981	April 1981		
	TOTALS																		
All manufacturing industries.....	275,175	275,115	276,449	278,985	280,065	283,152	282,209	274,616	271,062	274,707	276,281	279,391	282,017	276,499	275,626	276,959	274,918		
Manufacturing industries excluding transportation.....	235,780	236,041	237,748	240,242	241,915	244,915	243,800	236,930	234,021	235,740	237,630	240,698	243,064	239,021	238,371	239,550	237,466		
Manufacturing industries with unfilled orders.....	189,884	190,493	191,345	192,468	192,527	194,605	192,872	185,811	182,761	190,915	192,333	194,175	194,771	188,989	187,599	187,273	186,311		
Durable goods industries.....	183,825	184,289	184,870	185,916	186,063	188,429	187,686	181,125	178,374	183,852	185,442	187,287	188,253	183,218	182,247	182,384	181,582		
Durable goods with unfilled orders.....	168,905	169,479	170,176	171,189	171,059	172,876	171,393	165,002	162,165	169,406	170,642	172,341	173,035	167,378	166,137	165,947	165,134		
Nondurable goods industries.....	91,350	90,826	91,579	93,070	94,002	94,723	94,523	93,492	92,688	90,855	90,839	92,104	93,764	93,281	93,378	94,575	93,337		
Nondurable goods with unfilled orders.....	20,979	21,014	21,169	21,279	21,467	21,729	21,479	20,809	20,595	21,509	21,691	21,834	21,736	21,611	21,462	21,326	21,177		
MARKET CATEGORIES																			
Home goods and apparel.....	21,768	21,598	21,779	21,948	22,041	22,948	22,084	21,434	21,165	22,505	22,746	22,775	22,436	22,380	22,538	22,650	21,880		
Consumer staples.....	33,357	32,832	33,355	33,673	33,631	33,100	33,375	32,829	32,404	31,935	32,653	33,342	31,963	31,890	32,333	32,333	32,476		
Equipment and defense products, except automotive.....	77,417	77,622	77,506	77,708	76,716	76,445	75,187	73,206	71,468	77,535	77,936	78,267	78,430	73,834	73,511	73,629	72,977		
Automotive equipment.....	11,354	11,226	11,102	11,191	11,220	11,873	12,254	12,097	12,240	10,664	10,904	11,063	11,309	11,480	11,757	12,046	12,229		
Construction materials, supplies, and intermediate products.....	20,481	20,533	20,639	20,733	21,078	22,172	22,488	21,800	21,111	20,426	20,783	21,076	21,301	22,029	22,047	21,979	21,762		
Other materials, supplies, and intermediate products.....	110,598	111,304	112,068	113,741	115,379	116,613	116,821	113,249	112,223	111,173	111,977	113,557	115,199	114,883	113,883	114,522	113,594		
SUPPLEMENTARY SERIES																			
Household durable goods industries.....	10,773	10,744	10,692	10,856	10,896	11,256	11,026	10,549	10,463	10,992	11,081	11,119	11,080	10,938	10,881	10,996	10,805		
Capital goods industries.....	87,366	87,93	87,644	87,752	86,795	86,315	85,623	82,976	81,093	87,648	87,869	88,594	88,587	84,116	83,445	83,171	82,683		
Nondurable goods industries.....	73,110	73,166	73,615	73,806	72,937	73,360	73,131	70,821	69,688	73,469	74,403	74,582	71,139	71,336	71,268	71,123	71,116		
Defense.....	14,256	14,227	14,029	13,946	13,857	13,154	12,492	12,155	11,406	14,480	14,400	14,191	14,005	12,306	12,306	11,903	11,683		
INDUSTRY GROUPS AND INDUSTRIES																			
Durable goods industries:																			
Stone, clay, and glass products.....	6,393	6,382	6,429	6,544	6,792	6,766	6,351	6,170	6,438	6,505	6,676	6,723	6,466	6,468	6,518	6,417			
Glass containers.....	676	678	702	719	697	679	633	644	699	714	716	645	635	645	658	646			
Primary metals.....	14,383	14,617	25,063	26,250	24,196	25,327	24,129	24,402	24,643	25,181	25,499	24,687	24,687	24,036	24,076				
Blast furnaces, steel mills.....	12,455	12,566	13,075	13,441	13,347	13,198	12,229	12,680	12,443	12,515	12,764	12,825	12,567	12,825	12,123				
Nonferrous and other primary metals.....	10,561	10,710	10,834	10,907	11,145	11,273	11,139	10,416	10,030	10,603	10,742	10,997	11,179	10,646	10,447	10,365			
Fabricated metal products.....	19,261	19,593	19,664	19,716	19,868	20,208	20,334	19,729	19,585	19,372	19,856	20,064	20,146	20,008	19,993	20,013			
Metal cans, barrels, and drums.....	1,530	1,504	1,407	1,391	1,409	1,318	1,576	1,549	1,604	1,612	1,677	1,607	1,616	1,634	1,727	1,772			
Machinery, except electrical.....	43,775	44,008	44,447	44,136	44,376	43,471	41,793	41,142	43,769	44,342	45,015	42,413	42,413	42,092	41,702				
Engines and turbines.....	2,568	2,520	2,579	2,602	2,587	2,625	2,512	2,495	2,504	2,608	2,641	2,553	2,553	2,509	2,520				
Farm machinery and equipment.....	2,580	2,763	2,745	2,782	2,808	2,935	2,847	2,804	2,904	2,805	2,832	2,890	2,890	2,890	2,989	2,989			
Construction, mining, and material-handling equipment.....	11,009	11,134	11,301	10,950	10,643	10,044	9,543	11,471	11,033	11,271	11,387	9,718	9,607	9,499	9,444				
Metalworking machinery.....	2,392	2,480	2,539	2,588	2,744	2,858	2,743	2,756	2,602	2,439	2,554	2,831	2,811	2,783	2,810				
General industrial machinery.....	4,084	4,094	4,142	4,155	4,098	4,089	3,785	4,053	4,097	4,139	4,176	4,181	3,976	3,976	3,875	3,855			

See footnotes at end of table.

Table 4. VALUE OF MANUFACTURERS' INVENTORIES FOR INDUSTRY GROUPS, MARKET CATEGORIES, AND SUPPLEMENTARY SERIES--Continued

SIC	Industry	Seasonally adjusted						Not seasonally adjusted										
		July 1982 ^p	June 1982 ^r	May 1982	Apr. 1982	1 1982	IV 1981	III 1981	II 1981	1 1981	July 1982 ^p	June 1982 ^r	May 1982	Apr. 1982	July 1981	June 1981	May 1981	Apr. 1981
INDUSTRY GROUPS AND INDUSTRIES--Continued																		
Durable goods industries--																		
36	Electrical machinery.....	26,882	26,950	27,024	27,365	27,526	28,142	28,110	27,234	26,533	27,129	27,472	27,733	27,820	27,749	27,763	27,678	27,532
361,2	Electrical transmission and distribution equipment and industrial apparatus.....	4,303	4,376	4,361	4,409	4,474	4,566	4,710	4,462	4,280	4,316	4,430	4,469	4,542	4,515	4,506	4,459	4,459
363	Household appliances.....	1,890	1,866	1,853	1,868	1,799	1,799	2,044	2,050	1,951	1,894	1,915	1,982	2,010	1,991	2,027	2,050	2,040
365	Radio and TV.....	1,678	1,674	1,676	1,769	1,799	1,866	1,732	1,549	1,489	1,783	1,781	1,789	1,746	1,627	1,617	1,627	1,519
366	Communication equipment.....	9,360	9,334	9,349	9,407	9,410	9,337	9,241	9,257	9,133	9,358	9,338	9,440	9,486	9,231	9,311	9,391	9,391
367	Electronic components.....	5,535	5,545	5,566	5,680	5,823	5,827	5,710	5,710	5,457	5,618	5,651	5,656	5,836	5,818	5,818	5,730	5,764
37	Transportation equipment.....	39,395	39,074	38,704	38,743	38,150	38,237	38,409	37,686	37,041	38,967	38,651	38,693	37,478	37,255	37,409	37,452	37,452
371	Motor vehicles and parts.....	8,876	8,649	8,495	8,640	8,673	9,226	9,608	9,596	9,838	8,284	8,388	8,657	9,062	9,310	9,567	9,729	9,729
372,6	Aircraft, missiles, and parts	27,107	26,893	26,599	26,432	25,681	24,759	24,429	23,852	23,020	27,319	26,671	26,790	26,671	26,594	24,255	23,753	23,559
373	Shipbuilding and military tank vehicles.....	1,672	1,702	1,833	1,909	2,181	2,244	2,255	2,218	1,613	1,682	1,709	1,825	2,214	2,214	2,269	2,313	2,227
379	Instruments and related products.....	9,382	9,393	9,303	9,516	9,399	9,610	9,528	9,372	9,188	9,453	9,596	9,687	9,450	9,575	9,664	9,540	9,540
38	Scientific and engineering products.....	6,621	6,600	6,509	6,639	6,482	6,531	6,473	6,389	6,189	6,648	6,712	6,626	6,707	6,425	6,514	6,393	6,393
381-4	Photographic goods.....	2,248	2,288	2,294	2,357	2,405	2,537	2,508	2,405	2,408	2,408	2,408	2,289	2,392	2,448	2,448	2,455	2,527
386	All other durable goods industries.....	16,354	14,272	14,239	14,246	14,404	14,814	15,141	14,824	14,523	14,322	14,377	14,386	14,462	14,967	14,917	14,974	14,855
39	Nondurable goods industries:																	
20	Food and kindred products.....	20,338	19,830	20,140	20,377	20,405	20,400	21,290	21,296	21,583	19,376	18,808	19,344	19,919	20,257	20,184	20,663	20,949
201	Meat products.....	1,859	1,803	1,933	1,914	1,934	1,711	1,840	1,999	2,010	1,900	1,933	1,976	1,873	1,995	2,094	2,094	2,094
208	Beverages.....	3,523	3,579	3,525	3,563	3,619	3,664	3,740	3,617	3,757	3,375	3,386	3,520	3,520	3,523	3,683	3,769	3,769
207	Fats and oils.....	1,201	1,230	1,381	1,381	1,381	1,298	1,403	1,501	1,512	1,650	1,135	1,269	1,330	1,399	1,394	1,541	1,606
203-6,9	All other foods.....	11,433	11,606	11,825	11,778	11,884	12,499	12,493	12,411	11,398	10,575	10,793	11,175	11,867	11,490	11,653	11,723	11,723
21	Tobacco products.....	4,893	4,697	4,812	4,572	4,401	4,088	4,088	3,733	3,839	4,60	4,448	4,643	4,846	4,846	3,539	3,836	3,836
22	Textile mill products.....	6,391	6,367	6,513	6,587	7,011	7,008	6,949	6,812	6,407	6,470	6,726	6,977	7,164	7,055	7,055	7,055	7,055
26	Paper and allied products.....	8,694	8,757	8,510	8,442	8,921	8,825	8,565	8,173	8,181	9,005	9,080	8,468	8,472	8,408	8,196	8,336	8,336
261-3	Pulp, paper, etc.....	3,574	3,576	3,560	3,540	3,540	3,461	3,275	3,166	3,115	3,588	3,662	3,609	3,208	3,218	3,162	3,162	3,162
265	Paperboard containers.....	2,232	2,298	2,301	2,312	2,392	2,309	2,192	2,137	2,305	2,305	2,378	2,365	2,353	2,273	2,214	2,202	2,202
264	All other paper containers.....	2,888	2,890	2,922	2,980	3,070	2,972	2,961	2,881	2,925	3,053	3,053	2,981	2,972	2,972	2,972	2,972	2,972
281,6	Chemicals and allied products.....	20,802	20,973	20,895	21,363	21,428	21,155	21,334	20,917	20,141	20,750	20,864	21,156	21,759	20,891	20,884	20,552	20,552
283,4	Industrial chemicals, except pigments.....	6,432	6,526	6,532	6,676	6,763	6,962	6,876	6,864	6,665	6,477	6,501	6,637	6,849	6,817	6,874	6,710	6,710
29	Drugs, soap, and toiletries products.....	6,421	6,420	6,582	6,604	6,690	6,492	6,324	6,148	6,285	6,148	6,612	6,721	6,691	6,372	6,440	6,260	6,260
30	Petroleum and coal products.....	9,280	9,101	9,060	9,675	10,531	10,344	10,810	11,431	9,393	9,096	9,010	9,518	11,281	11,412	11,920	11,212	11,212
23	Rubber and plastics products, n.e.c.....	5,831	6,046	6,115	6,165	6,153	6,298	6,434	6,308	6,199	5,811	6,097	6,262	6,404	6,334	6,414	6,482	6,482
27	All other nondurable goods industries.....	15,121	15,055	15,246	15,323	15,406	15,628	15,015	14,626	14,511	15,940	16,051	15,883	15,596	15,587	15,567	15,491	14,914
31																		

Preliminary.

1Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations; unfilled orders and inventories are as of the end of the period and are not adjusted for trading-day or calendar-month variations.

2The supplemental series are regroupings of the separate industry categories as follows:

Household durable goods industries--Household furniture; kitchen articles and pottery; cutlery, handtools, and hardware; household appliances; radio and TV; ophthalmic goods, watches, and clocks, and miscellaneous personal goods.

Capital goods industries--Comparable to the previous producers' capital goods and the defense products (old series) categories. Household durable goods industries (excluding household appliances, radio and TV, and electronic components), Nondefense products--Machinery, except electrical (excluding farm machinery and equipment and machine shops), electrical machinery (excluding household appliances, radio and TV, and electronic components), and the nondefense portions of shipbuilding and repairing and railroad equipment, communication equipment, aircraft and aircraft parts, and ordnance.

Defense products--Based on separate reports on defense work filed by large defense contractors in the following industries: Ordnance, communication equipment, aircraft and aircraft parts, and shipbuilding. The data are comparable to those published annually in the NA-175, "Shipments to Federal Government Agencies" (formerly "Shipments of Defense-Oriented Industries"), for the specified industries.

Table 5. VALUE OF MANUFACTURERS' INVENTORIES, BY STAGE OF FABRICATION, BY INDUSTRY GROUP
(Millions of dollars)

Industry	Seasonally adjusted												Not seasonally adjusted												
	Monthly			Quarterly			Monthly			Quarterly			Monthly			Monthly			Last 4 months			a year ago			
	July 1982P	June 1982 ^r	May 1982	Apr. 1982	I 1982	IV 1981	11 1981	10 1981	I 1981	IV 1981	11 1981	10 1981	July 1982P	June 1982 ^r	May 1982	Apr. 1982	July 1981	June 1981	May 1981	Apr. 1981					
TOTALS																									
All manufacturing industries.....	275,175	275,115	276,449	278,985	280,065	283,152	282,209	274,616	271,062	274,707	276,281	279,391	282,017	276,499	275,626	276,959	275,626	276,959	274,918						
Durable goods industries.....	183,825	184,289	184,870	185,916	186,063	188,429	187,686	181,125	178,374	183,852	185,442	187,287	183,218	182,247	182,384	181,582	181,582	181,582	181,582						
Stone, clay, and glass products.....	6,393	6,382	6,429	6,504	6,792	6,766	6,351	6,170	6,438	6,505	6,676	6,723	6,468	6,518	6,518	6,417	6,417	6,417	6,417						
Primary metals.....	24,383	24,612	25,063	25,403	26,036	26,120	25,192	24,129	24,194	24,402	24,643	25,181	25,499	24,687	24,163	24,036	24,036	24,036	24,036						
Fabricated metals.....	19,261	19,593	19,664	19,716	19,838	20,208	20,334	19,729	19,372	19,585	19,372	19,856	20,064	19,993	20,008	19,993	20,008	20,008	20,008						
Nonelectrical machinery.....	44,008	44,447	44,449	44,134	44,376	43,471	41,799	41,142	43,769	44,342	45,015	44,626	42,413	42,114	42,092	42,092	42,092	42,092	42,092						
Electrical machinery.....	26,882	26,950	27,024	27,365	27,526	28,142	28,110	27,234	26,533	27,129	27,472	27,733	28,200	27,749	27,763	27,678	27,678	27,678	27,678						
Transportation equipment.....	39,074	38,701	38,743	38,150	38,237	38,409	37,686	37,041	38,967	38,651	38,953	37,478	37,255	37,409	37,422	37,422	37,422	37,422	37,422						
Instruments and related products.....	9,382	9,393	9,303	9,516	9,399	9,610	9,528	9,372	9,188	9,453	9,596	9,687	9,450	9,575	9,664	9,540	9,540	9,540	9,540						
All other durable goods industries.....	14,354	14,272	14,239	14,246	14,404	14,814	14,523	14,322	14,377	14,386	14,462	14,917	14,917	14,917	14,917	14,917	14,917	14,917	14,917	14,917					
Nondurable goods industries.....	91,350	90,876	90,726	91,579	90,070	94,723	94,523	92,688	90,839	92,104	93,780	93,281	93,281	93,378	94,575	93,337	93,337	93,337	93,337						
Chemicals and allied products.....	20,802	20,973	20,895	21,428	21,363	21,615	21,334	20,917	20,141	20,750	20,864	21,729	20,891	20,780	20,884	20,552	20,552	20,552	20,552						
Petroleum and coal products.....	9,101	9,281	9,060	9,675	10,531	10,544	10,810	11,423	11,431	9,393	9,096	9,010	11,421	11,920	11,920	11,212	11,212	11,212	11,212						
Rubber and plastics products, n.e.c.	5,831	6,046	6,115	6,165	6,153	6,308	6,298	6,424	6,424	6,308	6,199	6,262	6,404	6,334	6,414	6,414	6,414	6,414	6,414						
All other nondurable goods industries.....	55,437	54,706	55,509	55,891	55,266	55,945	54,843	54,917	54,901	54,782	55,676	56,113	54,775	54,826	55,357	55,090	55,090	55,090	55,090						
MATERIALS AND SUPPLIES																									
All manufacturing industries.....	92,357	93,168	94,433	94,214	96,476	96,514	94,091	93,356	92,194	92,369	93,448	94,951	95,345	94,181	93,998	94,479	94,479	94,479	94,479						
Durable goods industries.....	55,747	55,663	55,996	55,947	56,461	57,488	57,017	55,733	56,708	56,151	56,964	58,036	57,089	56,549	56,771										
Stone, clay, and glass products.....	2,205	2,224	2,247	2,331	2,372	2,389	2,357	2,231	2,224	2,224	2,267	2,324	2,353	2,362	2,270	2,255	2,255	2,255	2,255						
Primary metals.....	8,324	8,498	8,600	8,725	8,684	8,909	8,750	8,342	8,725	8,292	8,404	8,423	8,447	8,447	8,025	8,255	8,255	8,255	8,255						
Fabricated metals.....	7,176	7,232	7,321	7,364	7,388	7,704	7,888	7,503	7,503	7,503	7,281	7,395	7,465	7,760	7,553	7,629	7,629	7,629	7,629						
Nonelectrical machinery.....	11,321	11,458	11,673	11,695	11,720	11,565	11,269	11,269	11,269	11,269	11,269	11,409	11,704	11,373	11,215	11,252	11,252	11,252	11,252						
Electrical machinery.....	7,589	7,514	7,664	7,990	8,295	8,402	8,137	7,893	7,799	7,688	7,852	8,100	8,123	8,123	8,286	8,293	8,293	8,293	8,293						
Transportation equipment.....	10,794	10,287	10,134	10,181	10,766	10,778	10,046	10,362	10,362	10,276	10,246	10,276	10,594	10,408	10,325	10,325	10,325	10,325							
Instruments and related products.....	2,011	2,896	2,741	3,020	2,982	3,018	2,982	3,018	3,018	2,982	2,982	2,827	2,875	3,029	3,065	3,084	3,084	3,084	3,084						
All other durable goods industries.....	5,527	5,594	5,616	5,639	5,710	5,928	6,114	5,947	5,867	5,867	5,538	5,466	5,497	5,551	5,804	5,826	5,826	5,826	5,826						
Nondurable goods industries.....	36,789	36,714	37,486	37,172	37,317	38,015	37,606	37,074	36,974	36,974	36,461	36,661	37,297	37,309	37,092	37,449	37,449	37,449	37,449						
Chemicals and allied products.....	8,134	8,112	8,039	8,104	8,169	8,333	8,295	8,295	8,295	8,295	8,295	8,184	8,184	8,184	8,183	8,183	8,183	8,183	8,183						
Petroleum and coal products.....	2,320	2,399	2,485	2,525	2,638	2,638	2,432	2,398	2,398	2,398	2,427	2,395	2,404	2,404	2,424	2,424	2,424	2,424	2,424						
Rubber and plastics products, n.e.c.	2,043	2,024	2,083	2,150	2,184	2,184	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148	2,148						
All other nondurable goods industries.....	24,292	24,179	24,565	24,727	24,576	24,576	24,386	23,864	23,864	23,864	23,864	23,864	24,076	24,076	24,076	24,346	24,346	24,346	24,346						
WORK IN PROCESS																									
All manufacturing industries.....	95,805	96,722	97,163	97,358	99,010	98,834	96,523	95,353	95,353	95,353	95,895	96,602	97,495	98,013	97,267	97,763	96,867	96,867	96,867	96,867					
Durable goods industries.....	80,370	81,284	81,562	81,729	82,621	82,621	80,263	79,159	80,263	80,263	81,110	81,839	82,285	81,021	80,201	80,483	80,483	80,483	80,483						
Stone, clay, and glass products.....	914	919	922	925	957	1,033	1,023	923	923	923	952	952	952	952	952	959	959	959	959	959					
Primary metals.....	9,680	9,864	10,109	10,325	10,678	10,817	10,604	9,755	9,555	9,555	9,826	9,934	10,224	10,402	10,158	9,915	9,915	9,915	9,915						
Fabricated metals.....	6,888	7,101	7,146	7,187	7,246	7,187	7,339	7,259	7,176	7,176	6,948	7,206	7,206	7,283	7,283	7,283	7,283	7,283	7,283						
Nonelectrical machinery.....	17,156	18,232	18,246	18,501	18,423	19,192	18,264	18,507	18,507	18,507	18,475	18,720	18,720	18,720	18,720	18,720	18,720	18,720	18,720						
Electrical machinery.....	13,563	13,643	13,576	13,508	13,624	13,784	13,522	13,784	13,784	13,784	13,575	13,720	13,720	13,720	13,720	13,720	13,720	13,720	13,720						
Transportation equipment.....	24,231	23,956	23,406	23,002	23,035	24,108	4,108	4,108	4,108	4,108	4,108	4,108	4,108	4,108	4,108	4,108	4,108	4,108	4,108						
Instruments and related products.....	4,124	4,145	4,154	4,129	3,218	3,218	3,203	3,301	3,286	3,286	3,301	3,301	3,301	3,301	3,301	3,326	3,326	3,326	3,326						
All other durable goods industries.....	3,159	3,169	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186	3,186						
Nondurable goods industries.....	15,568	15,438	15,601	15,629	16,216	16,216	16,216	16,216	16,216	16,216	16,216	16,216	16,216	16,216	16,216	16,216	16,216	16,216	16,216						
Chemicals and allied products.....	3,566	3,638	3,523	3,506	3,441	3,441	3,429	3,515	3,489	3,489															

Table 6. PERCENT CHANGES AND REVISIONS FOR MANUFACTURERS' SHIPMENTS, INVENTORIES, AND ORDERS

(Based on seasonally adjusted data)

Item and industry group	Percent change							Revision ²	
	Month-to-month			Average monthly rate of change ¹				Year ago July 1981	Average monthly July 1977-1981
	June 1982-July 1982	May 1982-June 1982	Apr. 1982-May 1982	Second quarter 1982	First quarter 1982	Fourth quarter 1981	Aug. 1981 through July 1982		
Shipments:									
All manufacturing industries.....	+0.6	+0.4	+3.0	+0.8	-0.4	-1.7	-0.4	0.2	0.2
Durable goods industries.....	+1.1	-0.8	+3.1	+0.3	-0.4	-2.2	-0.6	0.4	0.3
Nondurable goods industries.....	+0.2	+1.6	+5.0	+1.3	-0.5	-1.2	-0.2	0.2	0.3
Inventories:									
All manufacturing industries.....	0.0	-0.5	-0.9	-0.6	-0.4	+0.1	-0.1	0.1	0.1
New orders:									
All manufacturing industries.....	+2.0	+0.2	+1.2	0.0	-0.1	-2.2	-0.6	0.5	0.3
Durable goods industries.....	+4.0	-1.5	-0.6	-1.4	+0.6	-3.3	-1.0	1.2	0.7
Nondurable goods industries.....	+0.2	+1.8	+2.9	+1.3	-0.4	-1.2	-0.2	0.4	0.3
Unfilled orders:									
Durable goods industries.....	-0.7	-1.4	-1.2	-1.0	-0.3	-0.9	-0.6	0.2	0.1

- Represents zero.

¹Method of calculation of these percentages for the quarter and the 12-month time intervals reflect compounded monthly growth rates.²The revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the differences, without regard to sign, for the months specified. The advance to final percent change differences for the durable goods industries are shown in the advance report for the month.

Table 7. RATIO OF MANUFACTURERS' INVENTORIES TO SHIPMENTS AND UNFILLED ORDERS TO SHIPMENTS, BY INDUSTRY GROUP

(Based on seasonally adjusted data)

Industry group	Inventories--shipments ratio				Unfilled orders--shipments ratio ¹ (months' backlog)			
	July 1982 ^p	June 1982 ^r	May 1982	April 1982	July 1982 ^p	June 1982 ^r	May 1982	April 1982
All manufacturing industries.....	1.69	1.70	1.72	1.79	3.64	3.71	3.71	3.86
Durable goods industries.....	2.31	2.34	2.32	2.41	4.45	4.52	4.52	4.71
Stone, clay, and glass products.....	1.68	1.66	1.66	1.74	0.50	0.51	0.52	0.54
Primary metals.....	2.86	2.86	2.89	2.84	2.63	2.58	2.55	2.50
Fabricated metals.....	1.92	1.98	1.95	2.02	2.83	2.95	2.92	3.12
Machinery, except electrical.....	2.90	2.84	2.80	2.88	4.39	4.38	4.46	4.68
Electrical machinery.....	2.22	2.32	2.27	2.34	4.55	4.70	4.58	4.68
Transportation equipment.....	2.19	2.22	2.24	2.43	11.04	10.96	11.23	12.41
Instruments and related products.....	2.36	2.34	2.33	2.49	1.80	1.78	1.85	1.95
Nondurable goods industries.....	1.10	1.10	1.13	1.18	0.52	0.54	0.55	0.57
Food and kindred products.....	0.87	0.85	0.87	0.91	(X)	(X)	(X)	(X)
Tobacco products.....	4.79	3.48	4.27	4.16	(X)	(X)	(X)	(X)
Textile mill products.....	1.53	1.51	1.57	1.61	(NA)	(NA)	(NA)	(NA)
Paper and allied products.....	1.32	1.36	1.39	1.37	(NA)	(NA)	(NA)	(NA)
Chemicals and allied products.....	1.43	1.44	1.48	1.55	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.53	0.52	0.52	0.59	(X)	(X)	(X)	(X)
Rubber and plastics products, n.e.c.....	1.51	1.61	1.71	1.76	(X)	(X)	(X)	(X)

(NA) Not available. ^pPreliminary. ^rRevised. (X) Not applicable.¹Excludes the following industries with no unfilled orders: Wood and lumber products; glass containers; metal cans, barrels, and drums; farm machinery and equipment; motor vehicle assembly operation; other transportation equipment; foods and related products; tobacco; apparel and related products; building paper; die-cut paper and board; chemicals; petroleum and coal products; and rubber and plastics products, n.e.c.

U.S. Department of Commerce
BUREAU OF THE CENSUS
Washington, D.C. 20233

UNIVERSITY OF FLORIDA

3 1262 08590 3200

Official Business
Penalty for Private Use, \$300

U.S.MA

POSTAGE AND FEES
U.S. DEPARTMENT OF COMM.
CON

First Class

